Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/16/2018 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124758	-1	1.27	124793	1.26
Blue	F	SSC	125000	125159	0	1.94	125874	1.94
Blue	E	FITC	15760	15431	-3	2.94	333	21.80
Blue	D	PE	25880	25209	-3	1.97	548	16.68
Blue	B	PerCP-Cy5-5	34075	33513	-2	4.14	1020	21.79
Blue	A	PE-Cy7	22776	22874	0	7.23	549	44.25
Red	C	APC	42488	41516	-3	2.70	1584	12.97
Red	A	APC-Cy7	24478	23990	-2	2.87	823	12.91
Violet	B	V450	6304	6113	-4	3.94	337	16.66
Violet	A	V500	26005	25186	-4	3.52	587	12.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20539	4.83	603	6	N/A	N/A	Pass
Blue	F	SSC	56507	1.32	566	11	N/A	N/A	Pass
Blue	E	FITC	58	74.13	559	3	0.0173	240	Pass
Blue	D	PE	114	56.05	552	3	0.1236	260	Pass
Blue	B	PerCP-Cy5-5	194	55.46	652	5	0.0083	155	Pass
Blue	A	PE-Cy7	109	110.24	705	8	0.0097	32	Pass
Red	C	APC	376	27.77	598	-2	0.0214	196	Pass
Red	A	APC-Cy7	201	27.20	570	-1	0.0046	336	Pass
Violet	B	V450	53	78.17	482	-7	0.0329	2474	Pass
Violet	A	V500	88	42.36	499	-7	0.0155	1053	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.51	-30.92	0.97
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	16.95	13.60 - 20.40	N/A	N/A	30.71	31.38	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10730

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments